

Amendments to the Claims:

1. (Cancelled)

2. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus includes at ~~at least~~ least one of an acoustic indicator and an optical indicator which signals the quality of the at least one physiological data measurement signal to a wearer of the mobile
5 measuring apparatus.

3. (Cancelled)

4. (Previously Presented) The medical measuring system as claimed in claim 2, wherein the optical indicator includes:
a light with a plurality of colors, each color being associated with a predetermined range of the at least one physiological data measurement signal quality
5 to indicate when the quality of the at least one physiological data measurement signal is in each correspondingly predetermined range.

5. (Cancelled)

6. (Previously Presented) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus signals the quality of the at least one physiological data measurement signal automatically.

7. (Previously Presented) The medical measuring system as claimed in claim 6, wherein the at least one mobile measuring apparatus signals the quality of the at least one physiological data measurement signal when the sensor is placed on another measuring site of a patient wearing the mobile measuring apparatus.

8. (Previously Presented) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus signals the quality of

the at least one physiological data measurement signal in response to a substantial change in the quality of the at least one physiological data measurement signal.

9. (Previously Presented) The medical measuring system as claimed in claim 11, wherein the at least one measuring apparatus signals the quality of the at least one physiological data measurement signal on demand.

10. (Previously Presented) The medical measuring system as claimed in claim 11, wherein the at least one mobile measuring apparatus evaluates the at least one physiological data measurement signal indicative of the physiological data to be communicated wirelessly and signals the quality of the at least one
5 physiological data measurement signal in response to the quality of the at least one physiological data measurement signal indicative of the physiological data to be communicated wirelessly by the mobile measuring apparatus falling below a predetermined signal quality.

11. (Currently Amended) A medical measuring system comprising:
a data device including a display screen for displaying at least one of medical measurement values and graphs;

~~at least one mobile measuring apparatus which communicates~~
5 ~~wirelessly with the data device via a wireless communication signal, the mobile measuring apparatus including at least one sensor for generating a~~ which generates ~~at least one physiological data measurement signal indicative of physiological data of a patient[.], the sensor communicating the at least one physiological data measurement signal to the mobile measuring apparatus and the mobile measuring apparatus~~
10 ~~communicating the physiological data to the data device via the wireless communication signal[.]; and~~

~~wherein the at least one mobile measuring apparatus~~ which (1) receives the at least one physiological data measurement signal from the at least one sensor,
(2) evaluates the at least one physiological data measurement signal to determine a
15 quality of the at least one physiological data measurement signal and signals the quality of the at least one physiological data measurement signal generated by the at

least one sensor, and (3) communicates the at least one data measurement signal wirelessly to the data device.

12. (Previously Presented) The medical measuring system as claimed in claim 11, wherein the at least one sensor includes a pulsoximometer, an ECG recorder or ultrasound measuring head.

13. (Currently Amended) A medical measuring system comprising:
one or more sensors ~~designed to~~ which contact a portion of a patient to measure physiological patient data and generate physiological patient data signals indicative of the measured physiological patient data;

5 a measuring apparatus which receives the physiological patient data signals from the one or more sensors, evaluates the measured physiological patient data signals to determine a quality of the physiological patient data signals, and signals the quality of the physiological patient data signals; and
a measurement display apparatus that displays physiological patient
10 data generated by the one or more sensors, the physiological patent data being wirelessly transferred from the at least one measuring apparatus.

14. (Previously Presented) The medical measuring device of claim 13, wherein the the measuring apparatus signals the quality in response to the determined quality being below a threshold and generates at least one of:

5 an acoustic signal to a wearer of the measuring apparatus, and
an optical signal via a light mounted on the measuring apparatus.

15. (Cancelled)

16. (Currently Amended) A medical measurement device comprising at least one measurement apparatus including a means for wirelessly transmitting medical data to a remote site, one or more sensors for measuring medical data, a means for determining a quality of the measured medical data signals from the

- 5 measured medical data signals, and a means for signaling the quality of the measured medical data signals.

17. (Previously Presented) The medical measuring device of claim 16, wherein the means for signaling the quality generates at least one of an acoustic signal and an optical signal.

18. (Cancelled)

19. (Previously Presented) The medical measuring device of claim 16, in combination with a measurement display device at the remote site which measurement display device receives the wirelessly transmitted medical data and displays at least a portion of the received medical data.

20. (Currently Amended) The medical measuring device of claim 16, wherein the quality is signaled in a manner which is humanly perceivable ~~[[only]]~~ locally adjacent the medical measurement apparatus ~~and not at the remote site~~.

21. (Currently Amended) The medical measuring device of claim 16, wherein the determining means evaluates the measured medical data signals for one or more of a transmission level, an interference level, and a signal form to determine the quality of the measured medical data.

22. (Currently Amended) The medical measuring system of claim 13, wherein the measuring apparatus evaluates the measured physiological patient data signals based on at least one of a transmission level, an interference level, and a form of the physiological patient data signals from the one or more sensors.

23. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the mobile measuring apparatus ~~concurrently~~ communicates the physiological data to the data device and evaluates the at least one physiological data

measurement signal for a change in a quality of the physiological data measurement signal.

24. (Currently Amended) The medical measuring system as claimed in claim 11, wherein the mobile measuring apparatus evaluates a signal form of the at least one physiological data measurement signal.

25. (Currently Amended) The medical measuring system as claimed in claim 11, ~~wherein the at least one sensor includes a plurality of sensors which generate a plurality of the physiological data measurement signals and wherein the~~ mobile measuring apparatus evaluates the physiological data measurement signal
5 based on an interference level ~~between the physiological data measurement signals.~~